

## Listing of Claims

1. - 20. (cancelled)

1        21. (previously presented) A screen assembly for releasable mounting to a  
2        mounting structure of a shale shaker, the mounting structure comprising a body over  
3        which a screen assembly is positionable, part of fluid to be treated by the shale shaker  
4        flowable through the body, at least one upwardly projecting member projecting  
5        upwardly from the body, said at least one upwardly projecting member sized and  
6        configured so it is receivable in a corresponding hole in the screen assembly, said at  
7        least one projecting member having a projecting member cross-sectional area, the  
8        screen assembly comprising

9              a support,

10             screening material on the support,

11             the support comprising a frame with two spaced-apart ends, the  
12             two spaced-apart ends spaced-apart by two spaced-apart sides, each of the  
13             two spaced-apart sides connected to each of the two spaced-apart ends, the  
14             frame having a plurality of spaced-apart crossmembers extending between the  
15             two spaced-apart sides from one side to the other side, at least part of the  
16             frame comprising a tubular member with a top and a bottom, a portion of the  
17             screening material on top of the tubular member,

18             at least one hole in the bottom of the tubular member, said at least  
19             one hole sized, configured, and located for receiving said at least one upwardly  
20             projecting member of the body of the mounting structure, said at least one hole  
21             having a hole cross-sectional area greater than said projecting member cross-  
22             sectional area.

1        22. (previously presented) A shale shaker system for separating components  
2        of drilling fluid with solids entrained therein, the shale shaker system comprising

3              a base,

4              a screen mounting basket on the base,

5              vibrating apparatus connected to the screen mounting basket for  
6              vibrating the screen mounting basket,

7              the screen mounting basket comprising mounting structure for at  
8              least one screen assembly mounted on the mounting structure, the mounting

9                   structure comprising a body over which the at least one screen assembly is  
10                  positionable, part of the drilling fluid to be treated by the shale shaker flowable  
11                  through the at least one screen assembly and through the body,

12                  at least one screen assembly mounted on the mounting structure,  
13                  the at least one screen assembly comprising a screen assembly  
14                  for releasable mounting to the mounting structure of a shale shaker,

15                  the mounting structure having at least one upwardly projecting  
16                  member projecting upwardly from the body, said at least one upwardly  
17                  projecting member sized and configured so it is receivable in a corresponding  
18                  hole in the screen assembly, said at least one projecting member having a  
19                  projecting member cross-sectional area,

20                  the at least one screen assembly including

21                  a support,

22                  screening material on the support,

23                  the support comprising a frame with two spaced-apart ends,  
24                  the two spaced-apart ends spaced-apart by two spaced-apart sides, each  
25                  of the two spaced-apart sides connected to each of the two spaced-apart  
26                  ends, the frame having a plurality of spaced-apart crossmembers  
27                  extending between the two spaced-apart sides from one side to the other  
28                  side, at least part of the frame comprising a tubular member with a top  
29                  and a bottom, a portion of the screening material on top of the tubular  
30                  member, and

31                  at least one hole in the bottom of the tubular member, said  
32                  at least one hole sized, configured, and located for receiving said at least  
33                  one upwardly projecting member of the body of the mounting structure,  
34                  said at least one hole having a hole cross-sectional area greater than said  
35                  projecting member cross-sectional area.

1                  23. (previously presented) A screen assembly for releasable mounting to a  
2                  mounting structure of a shale shaker, the mounting structure comprising a body over  
3                  which a screen assembly is positionable, part of fluid to be treated by the shale shaker  
4                  flowable through the body, at least one upwardly projecting member projecting

5 upwardly from the body, said at least one upwardly projecting member sized and  
6 configured so it is receivable in a corresponding hole in the screen assembly, said at  
7 least one projecting member having a projecting member cross-sectional area, the  
8 screen assembly comprising

9           a support,

10           screening material on the support,

11           the support comprising a frame with two spaced-apart ends, the  
12           two spaced-apart ends spaced-apart by two spaced-apart sides, each of the  
13           two spaced-apart sides connected to each of the two spaced-apart ends, the  
14           frame having a plurality of spaced-apart crossmembers extending between the  
15           two spaced-apart sides from one side to the other side, at least part of the  
16           frame comprising a tubular member with a top and a bottom, a portion of the  
17           screening material on top of the tubular member,

18           at least one hole in the tubular member, said at least one hole  
19           sized, configured, and located for receiving said at least one upwardly  
20           projecting member of the body of the mounting structure, said at least one hole  
21           having a hole cross-sectional area greater than said projecting member cross-  
22           sectional area.

1       24. (previously presented) A shale shaker system for separating components  
2       of drilling fluid with solids entrained therein, the shale shaker system comprising

3           a base,

4           a screen mounting basket on the base,

5           vibrating apparatus connected to the screen mounting basket for  
6           vibrating the screen mounting basket,

7           the screen mounting basket comprising mounting structure for at  
8           least one screen assembly mounted on the mounting structure, the mounting  
9           structure comprising a body over which the at least one screen assembly is  
10           positionable, part of the drilling fluid to be treated by the shale shaker flowable  
11           through the at least one screen assembly and through the body,

12           at least one screen assembly mounted on the mounting structure,

13           the at least one screen assembly comprising a screen assembly  
14           for releasable mounting to the mounting structure of a shale shaker,

15                   the mounting structure having at least one upwardly projecting  
16                   member projecting upwardly from the body, said at least one upwardly  
17                   projecting member sized and configured so it is receivable in a corresponding  
18                   hole in the screen assembly, said at least one projecting member having a  
19                   projecting member cross-sectional area,

20                   the at least one screen assembly including

21                   a support,

22                   screening material on the support,

23                   the support comprising a frame with two spaced-apart ends,  
24                   the two spaced-apart ends spaced-apart by two spaced-apart sides, each  
25                   of the two spaced-apart sides connected to each of the two spaced-apart  
26                   ends, the frame having a plurality of spaced-apart crossmembers  
27                   extending between the two spaced-apart sides from one side to the other  
28                   side, at least part of the frame comprising a tubular member with a top  
29                   and a bottom, a portion of the screening material on top of the tubular  
30                   member, and

31                   at least one hole in the tubular member, said at least one  
32                   hole sized, configured, and located for receiving said at least one  
33                   upwardly projecting member of the body of the mounting structure, said  
34                   at least one hole having a hole cross-sectional area greater than said  
35                   projecting member cross-sectional area.